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Computer , Volume: 30 Issue: 9 , Sept. 1997

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Pulp and Paper Industry Technical Conference, 2003. Conference Record of th Annual , 16-20 June 2003

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[\[Abstract\]](#) [\[PDF Full-Text \(561 KB\)\]](#) **IEEE CNF****2 Grounding and ground fault protection of multiple generator instal on medium-voltage industrial and commercial power systems. I. The defined***Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L Nichols, N.; Young, R.; Stringer, N.T.;*

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[\[Abstract\]](#) [\[PDF Full-Text \(507 KB\)\]](#) **IEEE CNF****3 Grounding and ground fault protection of multiple generator instal on medium-voltage industrial and commercial power systems. IV. C and bibliography***Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L Nichols, N.; Young, R.; Stringer, N.T.;*

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**4 Grounding and ground fault protection of multiple generator installation on medium-voltage industrial and commercial power systems. III. Preliminary methods**

*Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L. Nichols, N.; Young, R.; Stringer, N.T.;*

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**5 Mapping discontinuous antibody epitopes to reveal protein structural changes in structure related to function**

*Mumey, B.; Angel, T.; Kirkpatrick, B.; Bailey, B.; Hargrave, P.; Jesaitis, A.; D* Bioinformatics Conference, 2003. CSB 2003. Proceedings of the 2003 IEEE , Aug. 2003

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**6 Protection, metering, monitoring and control of medium voltage power systems**

*Duncan, B.K.; Bailey, B.G.;*

Industrial and Commercial Power Systems, 2003. 2003 IEEE Technical Conference, 8 May 2003

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**7 Test methodology for Motorola's high performance e500 core based PowerPC instruction set architecture**

*Bailey, B.; Metayer, A.; Svrcek, B.; Tendolkar, N.; Wolf, E.; Fiene, E.; Alexander, R.; Raina, R.;*

Test Conference, 2002. Proceedings. International , 7-10 Oct. 2002

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**8 Grounding and ground fault protection of multiple generator installation on medium-voltage industrial and commercial power systems. IV. Conclusions and bibliography**

*Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L. Nichols, N.; Young, R.; Stringer, N.T.;*

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**9 Grounding and ground fault protection of multiple generator installation on medium-voltage industrial and commercial power systems. III. Protection methods**

*Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L. Nichols, N.; Young, R.; Stringer, N.T.;*

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**10 Grounding and ground fault protection of multiple generator installation on medium-voltage industrial and commercial power systems. I. The defined**

*Pillai, P.; Pierce, A.; Bailey, B.; Douglas, B.; Mozina, C.; Normand, C.; Love, Shipp, D.; Dalke, G.; Jones, J.R.; Fischer, J.; Bowen, J.; Padden, L.; Powell, L. Nichols, N.; Young, R.; Stringer, N.T.;*

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**11 Grounding and ground fault protection of multiple generator installation on medium-voltage industrial and commercial systems. II. Grounding methods**

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**12 Siting and output prediction for wind energy project planning**

*Bailey, B.H.;*

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**13 RTL semantics and methodology***Bailey, B.; Gajski, D.;*

System-Synthesis, 2001. Proceedings. The 14th International Symposium on Sept.-3 Oct. 2001

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Systems, Man, and Cybernetics, 2000 IEEE International Conference on , Vo 8-11 Oct. 2000

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Network, IEEE , Volume: 14 Issue: 2 , March-April 2000

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August 1998 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 22 Issue 3Full text available: [pdf\(2.24 MB\)](#)Additional Information: [full citation](#), [index terms](#)

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April 1997 **ACM SIGIR Forum**, Volume 31 Issue 1Full text available: [pdf\(2.28 MB\)](#)Additional Information: [full citation](#), [index terms](#)

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Sougata Mukherjea

December 1999 **ACM Computing Surveys (CSUR)**Full text available: [pdf\(29.80 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** focus+context views, information visualization

# 4 [Equal opportunities online: Grounded politics: some thoughts on feminist process in the information age](#)

Anne Scott

December 2001 **ACM SIGCAS Computers and Society**, Volume 31 Issue 4Full text available: [pdf\(1.26 MB\)](#)Additional Information: [full citation](#), [references](#), [index terms](#)

# 5 [Contributions: focus: new visualization techniques: Practical scientific visualization examples](#)

Russell M. Taylor

February 2000 **ACM SIGGRAPH Computer Graphics**, Volume 34 Issue 1

Full text available:  [pdf\(1.60 MB\)](#) ... Additional Information: [full citation](#), [abstract](#), [references](#)

Scientific visualization has yet to become a discipline founded on well-understood principles. In some cases we have rules of thumb, and there are studies that probe the capabilities and limitations of specific techniques. For the most part, however, visualization consists of a collection of *ad hoc* techniques and lovely examples. This article collects examples where visualization was found to be useful for particular insights or where it enabled new and fruitful types of experiment.

6 Information systems and organizational change ☐

Peter G. W. Keen

January 1981 **Communications of the ACM**, Volume 24 Issue 1

Full text available:  [pdf\(901.83 KB\)](#) ... Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** change, implementation, politics

7 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems ☐

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1997 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available:  [pdf\(7.24 MB\)](#) ... Additional Information: [full citation](#), [citations](#)

8 A computer ethics bibliography ☐

Herman T. Tavani


December 1995 **ACM SIGCAS Computers and Society**, Volume 25 Issue 4

Full text available:  [pdf\(2.85 MB\)](#) ... Additional Information: [full citation](#), [index terms](#)

9 Probabilistic agent programs ☐

Jürgen Dix, Mirco Nanni, V. S. Subrahmanian

October 2000 **ACM Transactions on Computational Logic (TOCL)**, Volume 1 Issue 2

Full text available:  [pdf\(251.40 KB\)](#) ... Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Agents are small programs that autonomously take actions based on changes in their environment or "state". Over the last few years, there has been an increasing number of efforts to build agents that can interact and/or collaborate with other agents. In one of these efforts Eiter et al. [1999] have shown how agents may be built on top of legacy code. However, their framework assumes that agent states are completely determined, and there is no uncertainty in an agent's state. Thu ...

**Keywords:** logic programming, multi-agent reasoning, probabilistic reasoning, uncertainty

10 On randomization in sequential and distributed algorithms ☐

Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Full text available:  pdf(8.01 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed—that span a wide range of applications, including: primality testing (a classical problem in number theory), interactive probabilistic proof systems ...

**Keywords:** Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing

# 11 Curriculum 68: Recommendations for academic programs in computer science: a report of the ACM curriculum committee on computer science


William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas A. Keenan, William B. Kehl, Edward J. McCluskey, Silvio O. Navarro, Werner C. Rheinboldt, Earl J. Scheppe, William Viavant, David M. Young  
March 1968 **Communications of the ACM**, Volume 11 Issue 3

Full text available:  pdf(6.63 MB)Additional Information: [full citation](#), [references](#), [citations](#)

**Keywords:** computer science academic programs, computer science bibliographies, computer science courses, computer science curriculum, computer science education, computer science graduate programs, computer science undergraduate programs

# 12 Building program optimizers with rewriting strategies


Eelco Visser, Zine-el-Abidine Benaissa, Andrew Tolmach  
September 1998 **ACM SIGPLAN Notices , Proceedings of the third ACM SIGPLAN international conference on Functional programming**, Volume 34 Issue 1

Full text available:  pdf(1.80 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe a language for defining term rewriting strategies, and its application to the production of program optimizers. Valid transformations on program terms can be described by a set of rewrite rules; rewriting strategies are used to describe when and how the various rules should be applied in order to obtain the desired optimization effects. Separating rules from strategies in this fashion makes it easier to reason about the behavior of the optimizer as a whole, compared to traditional mo ...

# 13 Research contributions: The impact of culture and gender on web sites: an empirical study

Steven John Simon  
December 2001 **ACM SIGMIS Database**, Volume 32 Issue 1

Full text available:  pdf(1.88 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The growth of electronic commerce, in particular business-to-consumer, has been explosive during the last few years. Until recently, the Web community has been a male dominated western-oriented society, with the design of Web sites reflecting that homogenous audience. Using an adapted version of Hofstede's dimensions as a means of differentiation, this study

explores the perception and satisfaction levels of one hundred and sixty subjects on four web sites. Analysis indicates that perception and ...

**Keywords:** Hofstede model, e-commerce, gender differences (satisfaction & perception), web site design

14 Advanced input modeling for simulation experimentation ☐

Bruce Schmeiser

December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--- a bridge to the future - Volume 1**

Full text available:  [pdf\(49.75 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 Editorial pointers ☐

June 1998 **Communications of the ACM**, Volume 41 Issue 6

Full text available:  [pdf\(115.53 KB\)](#) Additional Information: [full citation](#), [index terms](#)

16 Session 8B: scalability and robustness: Improving fault-tolerance by replicating agents ☐

Alan Fedoruk, Ralph Deters

July 2002 **Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2**

Full text available:  [pdf\(168.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Despite the considerable efforts spent on developing multi-agent systems the actual number of deployed systems is surprisingly small. One of the reasons for the significant gap between developed and deployed systems is their brittleness. The absence of centralized control components makes it difficult to detect and treat failures of individual agents thus risking fault-propagation that can seriously impact the performance of the system. Using redundancy by replication of individual agents within ...

**Keywords:** FIPA-OS, fault-tolerance, replicating agents

17 Journal Backlog Report ☐

Mark A. Weiss

July 1996 **ACM SIGACT News**, Volume 27 Issue 2

Full text available:  [pdf\(468.51 KB\)](#) Additional Information: [full citation](#)

18 Editorial ☐



Diane Crawford

April 2001 **Communications of the ACM**, Volume 44 Issue 4

Full text available:  [pdf\(112.91 KB\)](#)  [html\(11.12 KB\)](#) Additional Information: [full citation](#), [index terms](#)

19 Editorial pointers ☐

July 1999 **Communications of the ACM**, Volume 42 Issue 7

Full text available:  pdf(114.51 KB)  html(5.34 KB)  
Additional Information: [full citation](#), [index terms](#)

## 20 [Editorial Pointers](#)

Diane Crawford

August 1998 **Communications of the ACM**, Volume 41 Issue 8

Full text available:  pdf(117.05 KB) Additional Information: [full citation](#), [index terms](#)



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### 1 [Hardware/software synthesis of formal specifications in codesign of embedded systems](#)

Vincenza Carchiolo, Michele Malgeri, Guiseppa Mangioni

 July 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 5 Issue 3

 Full text available: [pdf\(281.08 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

CoDesign aims to integrate the design techniques of hardware and software. In this work, we present a CoDesign methodology based on a formal approach to embedded system specification. This methodology uses the Templated T-LOTOS language to specify the system during all design phases. Templated T-LOTOS is a formal language based on CCS and CSP models. Using Templated T-LOTOS, a system can be specified by observing the temporal ordering in which the events occur from the outside. In this paper ...

**Keywords:** codesign, embedded system, hardware and software synthesis

### 2 [A geographically distributed framework for embedded system design and validation](#)

Ken Hines, Gaetano Borriello

 May 1998 **Proceedings of the 35th annual conference on Design automation conference**

 Full text available: [pdf\(285.90 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The difficulty of embedded system co-design is increasing rapidly due to the increasing complexity of individual parts, the variety of parts available and pressure to use multiple processors to meet performance criteria. Validation tools should contain several features in order to keep up with this trend, including the ability to dynamically change detail levels, built in protection for intellectual property, and support for gradual migration of functionality from a simulator ...

### 3 [Hardware-software-codesign of application specific microcontrollers with the ASM environment](#)

A. Both, B. Biermann, R. Lerch, Y. Manoli, K. Sievert

 September 1994 **Proceedings of the conference on European design automation**

 Full text available: [pdf\(507.38 KB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



4 WWW based structuring of codesigns

P. G. Plöger, J. Wilberg, M. Langevin, R. Composano

September 1995 **Proceedings of the 8th international symposium on System synthesis**

Full text available:  pdf(142.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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**Abstract:** This paper describes a codesign environment based on the WWW (World Wide Web) and its implementation. Tool invocations and their respective results are linked using hypertext documents. We show how to configure a WWW browser for spawning design tools and how frequent tasks like documentation generation and retrieval are facilitated. The design flow can be adopted to the given application very easily. In addition we introduce the concept of a work flow called 'design by documentation'. ...

**Keywords:** WWW based structuring, WWW browser, World Wide Web, codesigns, design by documentation, documentation generation, hypermedia, hypertext documents, information networks, systems analysis

5 The state of the art in locally distributed Web-server systems

Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

June 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 2

Full text available:  pdf(1.41 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


The overall increase in traffic on the World Wide Web is augmenting user-perceived response times from popular Web sites, especially in conjunction with special events. System platforms that do not replicate information content cannot provide the needed scalability to handle large traffic volumes and to match rapid and dramatic changes in the number of clients. The need to improve the performance of Web-based services has produced a variety of novel content delivery architectures. This article w ...

**Keywords:** Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, distributed systems, load balancing, routing mechanisms

6 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

7 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1997 **ACM SIGMIS Database , Guidelines f r undergraduate degree programs on Model curriculum and guidelines for undergraduate degree**

programs in information systems, Volume 28 Issue 1


Full text available:  pdf(7.24 MB)

Additional Information: [full citation](#), [citations](#)

8 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(5.73 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

9 Coyote: a system for constructing fine-grain configurable communication services

Nina T. Bhatti, Matti A. Hiltunen, Richard D. Schlichting, Wanda Chiu

November 1998 **ACM Transactions on Computer Systems (TOCS)**, Volume 16 Issue 4

Full text available:  pdf(290.21 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Communication-oriented abstractions such as atomic multicast, group RPC, and protocols for location-independent mobile computing can simplify the development of complex applications built on distributed systems. This article describes Coyote, a system that supports the construction of highly modular and configurable versions of such abstractions. Coyote extends the notion of protocol objects and hierarchical composition found in existing systems with support for finer-grain microprotocol ob ...

**Keywords:** x-kernal, configurable sevicees, customization, event handlers, event-driven execution, membership, microprotocols, mobile computing, modularity, multicast, protocols, remote procedure call

10 On a language based method for software performance engineering of client/server systems

Daniel A. Menascé, Hassan Gomaa

October 1998 **Proceedings of the first international workshop on Software and performance**

Full text available:  pdf(837.51 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4

Full text available:  pdf(6.32 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

12 Virtual machines: Memory resource management in VMware ESX server

Carl A. Waldspurger

December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI

Full text available:  [pdf\(1.65 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

VMware ESX Server is a thin software layer designed to multiplex hardware resources efficiently among virtual machines running unmodified commodity operating systems. This paper introduces several novel ESX Server mechanisms and policies for managing memory. A *ballooning* technique reclaims the pages considered least valuable by the operating system running in a virtual machine. An *idle memory tax* achieves efficient memory utilization while maintaining performance isolation guarantee ...

**13** Engineering an "open" client/server-platform for a distributed Austrian alpine road-pricing system in 240 days: case study and experience report

Stefan Biffl, Thomas Grechenig, Stephan Oberpfalzer

May 1996 **Proceedings of the 18th international conference on Software engineering**

Full text available:  [pdf\(1.20 MB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
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The paper describes engineering a system for a distributed Austrian Alpine road-pricing environment as well as the structure and organization of the software development. The client/server-based road-pricing system, handling on average 1.2 million vehicle transitions per month, had to be operational within a mere eight months after the start of the project. Current practical and industrial problems of client/server system strategies are discussed. Our main theses derived from the presented case ...

**Keywords:** client/server software development, production-oriented systems development, road-pricing system

**14** Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available:  [pdf\(613.63 KB\)](#)  [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**15** A multimedia client to the IBM LAN server

Mark Baugher, Steven French, Alan Stephens, Isabel Van Horn

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available:  [pdf\(171.28 KB\)](#)  [ps\(243.48 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**16** Software for parallel architectures: Improving server software support for simultaneous multithreaded processors

Luke K. McDowell, Susan J. Eggers, Steven D. Gribble

June 2003 **Proceedings of the ninth ACM SIGPLAN symposium on Principles and practice of parallel programming**


Full text available:  [pdf\(218.63 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Simultaneous multithreading (SMT) represents a fundamental shift in processor capability. SMT's ability to execute multiple threads simultaneously within a single CPU offers tremendous potential performance benefits. However, the structure and behavior of software affects the extent to which this potential can be achieved. Consequently, just like the earlier arrival of multiprocessors, the advent of SMT processors prompts a needed re-evaluation of software that will run on them. This evaluation ...

**Keywords:** runtime support, servers, simultaneous multithreading

17 WireGL: a scalable graphics system for clusters

Greg Humphreys, Matthew Eldridge, Ian Buck, Gordan Stoll, Matthew Everett, Pat Hanrahan  
August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques**

Full text available:  [pdf\(333.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe WireGL, a system for scalable interactive rendering on a cluster of workstations. WireGL provides the familiar OpenGL API to each node in a cluster, virtualizing multiple graphics accelerators into a sort-first parallel renderer with a parallel interface. We also describe techniques for reassembling an output image from a set of tiles distributed over a cluster. Using flexible display management, WireGL can drive a variety of output devices, from standalone displays to tiled displ ...

**Keywords:** cluster rendering, parallel rendering, remote graphics, scalable rendering, tiled displays, virtual graphics

18 Web-based tools, systems and environments: Software configuration, distribution, and deployment of web-services

Rainer Anzböck, Schahram Dustdar, Harald Gall  
July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering**

Full text available:  [pdf\(519.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Web-Services can be seen as a newly emerging distributed computing model for the Web. They cater for the need to establish business-to-business (B2B) interactions on the Web. Web-Services consider a loosely coupled component model encapsulating business logic and interact with other components using XML protocols. Based on one case study, this paper discusses architectural issues and requirements for software configuration, distribution, and deployment of web-services.

**Keywords:** software architecture, software distribution environments, web-services

19 Session summaries from the 17th symposium on operating systems principle (SOSP'99)

Jay Lepreau, Eric Eide  
April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2

Full text available:  [pdf\(3.15 MB\)](#) Additional Information: [full citation](#), [index terms](#)

20 Multigrain shared memory

Donald Yeung, John Kubiawicz, Anant Agarwal  
May 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 2

Full text available:  [pdf\(369.18 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Parallel workstations, each comprising tens of processors based on shared memory, promise cost-effective scalable multiprocessing. This article explores the coupling of such small- to medium-scale shared-memory multiprocessors through software over a local area network to synthesize larger shared-memory systems. We call these systems Distributed Shared-

memory MultiProcessors (DSMPs). This article introduces the design of a shared-memory system that uses multiple granularities of sharing, ca ...

**Keywords:** distributed memory, symmetric multiprocessors, system of systems

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Custom Integrated Circuits Conference, 2003. Proceedings of the IEEE 2003 21-24, 2003

Page(s): 517 -520

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) **IEEE CNF****2 Depth-peeling for texture-based volume rendering***Nagy, Z.; Klein, R.;*

Computer Graphics and Applications, 2003. Proceedings. 11th Pacific Confere Oct. 8-10, 2003

Page(s): 429 -433

[\[Abstract\]](#) [\[PDF Full-Text \(603 KB\)\]](#) **IEEE CNF****3 Efficient representation and extraction of 2-manifold isosurfaces u trees***Gress, A.; Klein, R.;*

Computer Graphics and Applications, 2003. Proceedings. 11th Pacific Confere Oct. 8-10, 2003

Page(s): 364 -376

[\[Abstract\]](#) [\[PDF Full-Text \(1200 KB\)\]](#) **IEEE CNF****4 Hybrid LQG-neural controller for inverted pendulum system***Sazonov, E.S.; Klinkhachorn, P.; Klein, R.L.;*

System Theory, 2003. Proceedings of the 35th Southeastern Symposium on March 2003

Page(s): 206 -210

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**5 Use of ANN to simulate the effects of welding process parameters in curved steel plates: residual stresses, strains and distortions**

*Klein, R.L.; Klinkhachorn, P.; Mucino, V.H.; Awang, M.;*

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*Ihmor, S.; Bastos, N.; Klein, R.C.; Visarius, M.; Hardt, W.;*

Rapid Systems Prototyping, 2003. Proceedings. 14th IEEE International Work June 9-11, 2003

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**7 Predicting the elasto-plastic response of an arc-weld process using artificial neural networks**

*Klein, R.; Mucino, V.H.; Klinkhachorn, P.;*

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**8 Failure-free genetic algorithm optimization of a system controller u SAFE/LEARNING controllers in tandem**

*Sazonov, E.S.; Del Gobbo, D.; Klinkhachorn, P.; Klein, R.L.;*

System Theory, 2002. Proceedings of the Thirty-Fourth Southeastern Sympos 18-19 March 2002

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**9 Fast and memory efficient view-dependent trimmed NURBS render**

*Guthe, M.; Meseth, J.; Klein, R.;*

Computer Graphics and Applications, 2002. Proceedings. 10th Pacific Confere 9-11 Oct. 2002

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Miao, Z.; Choudhry, M.A.; Klein, R.L.;

Power Engineering Society Winter Meeting, 2002. IEEE , Volume: 2 , 27-31 J

Page(s): 1029 -1035 vol.2

[[Abstract](#)] [[PDF Full-Text \(115 KB\)](#)] **IEEE CNF**

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11 **High-resolution spectroscopy of the  $39/K$  transitions at  $770$  and  $13/C/H/2$  saturated lines by a solid-state laser  $1.54 \mu m$ : toward an accurate frequency standard in the optical communication band**

Svelto, C.; Galzerano, G.; Bava, E.; Ferrario, F.; Arie, A.; Klein, R.; Arbore, M. Fejer, M.A.; Onae, A.; Marano, M.;

Instrumentation and Measurement, IEEE Transactions on , Volume: 51 Issue Aug. 2002

Page(s): 764 -769

[[Abstract](#)] [[PDF Full-Text \(293 KB\)](#)] **IEEE JNL**

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12 **Intraocular retinal prosthesis test device**

Scribner, D.; Humayun, M.; Justus, B.; Merritt, C.; Klein, R.; Howard, J.G.; P M.; Perkins, F.; Johnson, L.; Bassett, W.; Skeath, P.; Margalit, E.; Kah-Guan Weiland, J.; de Juan, E.; Finch, J.; Graham, R.; Trautfield, C.; Taylor, S.;

Engineering in Medicine and Biology Society, 2001. Proceedings of the 23rd Annual International Conference of the IEEE , Volume: 4 , 25-28 Oct. 2001

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[[Abstract](#)] [[PDF Full-Text \(802 KB\)](#)] **IEEE CNF**

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13 **Wavelet domain communication system (WDCS) interference avoidance capability: analytic, modeling and simulation results**

Klein, R.W.; Temple, M.A.; Claypoole, R.L., Jr.; Raines, R.A.; Stephens, J.P.; Military Communications Conference, 2001. MILCOM 2001. Communications Network-Centric Operations: Creating the Information Force. IEEE , Volume: 31 Oct. 2001

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[[Abstract](#)] [[PDF Full-Text \(106 KB\)](#)] **IEEE CNF**

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14 **A geometric approach to 3D object comparison**

Novotni, M.; Klein, R.;

Shape Modeling and Applications, SMI 2001 International Conference on. , 7-2001

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15 **Interference avoidance communications using wavelet domain transformation techniques**

*Klein, R.W.; Temple, M.A.; Raines, R.A.; Claypoole, R.L., Jr.;*

Electronics Letters , Volume: 37 Issue: 15 , 19 Jul 2001

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**16 Multiple error detection/correction using the Nordstrom-Robins**  
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 Volume: 1 , 8-11 Aug. 2000  
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**17 BibRelEx: exploring bibliographic databases by visualization of an**  
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*Bruggemann-Klein, A.; Klein, R.; Landgraf, B.;*  
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**18 System architecture and hardware design of the CDF XFT online tr**  
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*Holm, S.; Dittman, J.R.; Freeman, J.; Klein, R.; Lewis, J.D.; Shaw, T.M.; Wes*  
*Ciobanu, C.; Gerstenslager, J.;*  
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**19 A functional framework for Web-based information visualization s**  
*Bender, M.; Klein, R.; Disch, A.; Ebert, A.;*  
 Visualization and Computer Graphics, IEEE Transactions on , Volume: 6 Issu  
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**20 Reconstruction and simplification of surfaces from contours***Klein, R.; Schilling, A.; Strasser, W.;*

Computer Graphics and Applications, 1999. Proceedings. Seventh Pacific Conference on , 5-7 Oct. 1999

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[\[Abstract\]](#) [\[PDF Full-Text \(5316 KB\)\]](#) **IEEE CNF****21 System architecture and hardware design of the CDF XFT online processor***Holm, S.; Dittman, J.R.; Freeman, J.; Klein, R.; Lewis, J.D.; Shaw, T.M.; Wes Ciobanu, C.; Gerstenslager, J.; Hoftiezer, J.; Hughes, R.; Johnson, M.; Koehn Neu, C.; Sanchez, C.; Winer, B.L.; Bloom, K.; Gerdes, D.; Dawson, J.W.; Hab W*

Nuclear Science Symposium, 1999. Conference Record. 1999 IEEE , Volume: 30 Oct. 1999

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[\[Abstract\]](#) [\[PDF Full-Text \(760 KB\)\]](#) **IEEE CNF****22 Illumination dependent refinement of multiresolution meshes***Klein, R.; Schilling, A.; Strasser, W.;*

Computer Graphics International, 1998. Proceedings , 22-26 June 1998

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[\[Abstract\]](#) [\[PDF Full-Text \(276 KB\)\]](#) **IEEE CNF****23 Nonlinear MISO modeling using genetic programming***Maust, R.S.; Klein, R.L.;*

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[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) **IEEE CNF****24 Neural field model of oculomotor preparation and disengagement***Trappenberg, T.; Simpson, S.; Klein, R.M.; McMullen, P.; Munoz, D.P.; Dorris*

Neural Networks, 1997., International Conference on , Volume: 1 , 9-12 June

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[\[Abstract\]](#) [\[PDF Full-Text \(444 KB\)\]](#) **IEEE CNF****25 Incremental view-dependent multiresolution triangulation of terrain***Klein, R.; Cohen-Or, D.; Huttner, T.;*

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*Klein, R.; Liebich, G.; Strasser, W.;*

Visualization '96. Proceedings. , 27 Oct.-1 Nov. 1996

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**27 A systematic (16, 8) code for correcting double errors, and detect random triple errors**

*Klein, R.; Varanasi, M.; Dunning, L.;*

Southeastcon '96. 'Bringing Together Education, Science and Technology'. ,  
Proceedings of the IEEE , 11-14 April 1996

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